

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1.-4. (Canceled).

5. (Currently Amended) A method of adjusting the optical thickness of a lens, made from a material transparent to light to be used, to obtain accuracy of sub-micron order, comprising;

manufacturing the lens; and

~~etching a surface of the manufactured lens to reduce~~ reducing the optical thickness of the manufactured lens to a target optical thickness by etching a surface of the manufactured lens when the optical thickness of the manufactured lens is greater than ~~a~~ the target optical thickness.

6-7. (Canceled)

8. (Previously Presented) A lens whose optical thickness has been adjusted by a method of according to Claim 5.

9-10. (Canceled)

11. (Currently Amended) A method of adjusting the optical thickness of a lens according to claim 5, wherein at least one of polishing, pressing and cutting is operated in manufacturing the lens to form the surface of the lens.

12. (New) A method for adjusting the optical thickness of a lens according to claim 5, wherein the manufacturing lens has a thickness of millimeter order.

13. (New) A method of adjusting the optical thickness of a lens according to claim 5, wherein the lens is a solid immersion lens.